AMENDMENTS TO THE CLAIMS

Claims 22-73 are pending in the Application. All of claims 22-73 were rejected in the final Office action mailed October 17, 2006, to which Applicants filed a response on February 16, 2007. An Advisory Action mailed March 13, 2007 maintained rejection of all of claims 22-73. No claims are substantively amended by this submission.

Claims 22, 28, 29, 36, 43, 47, 51 and 60 are independent claims. Claims 23-27, 30-35, 37-42, 44-46, 48-50, 52-59 and 61-73 depend, respectively, from independent claims 22, 29, 36, 43, 47, 51 and 60.

The following listing of claims replaces all previous versions, and listings, of claims in the Application.

Listing of Claims:

Claims 1-21 (Canceled).

22. (Previously presented) A system for processing voice for communication over a network comprising:

a processing circuit for managing the packetization of digital voice data representative of analog voice signals to provide digital voice data packets and for managing the depacketization of digital voice data, the processing circuit packetizing the digital voice data according to a packet protocol; and

a transceiver circuit for wireless transmission and wireless reception according to a wireless communication protocol of the digital voice data packets, wherein the digital voice data packets comprise destination information used for routing the digital voice data packets.

23. (Previously presented) A system as recited in claim 22 wherein the packet protocol comprises an internet protocol.

24. (Previously presented) A system as recited in claim 23 wherein the internet protocol is TCP/IP.

25. (Previously presented) A system as recited in claim 22 wherein the wireless transmission and reception of digital voice data packets is in accordance with a spread spectrum frequency hopping communication protocol.

26. (Previously presented) A system as recited in claim 22 wherein the wireless transmission and reception of digital voice data packets is in accordance with a direct sequence spread spectrum communication protocol.

27. (Previously presented) A system as recited in claim 22 wherein the wireless transmission and reception of digital voice data packets utilizes a communication protocol with a plurality of data rates including at least a standard data rate and a higher data rate.

28. (Previously presented) A system for processing voice for communication over a network comprising:

conversion circuitry for converting analog voice signals to digital voice data and for converting digital voice data to analog voice signals for the reproduction of voice;

a processing circuit for managing the packetization of digital voice data to provide digital voice data packets and for managing the depacketization of digital voice data, the processing circuit packetizing the digital voice data according to a packet protocol; and

a transceiver circuit for wireless transmission and wireless reception according to a wireless communication protocol of the digital voice data packets, wherein the digital voice data packets comprise destination information used for routing the digital voice data packets.

29. (Previously presented) A method for processing voice for a communication network comprising:

packetizing digital voice data representing analog voice signals according to a packet protocol, wherein the digital voice data packets comprise destination information used for routing the digital voice data packets through the communication network; and

wirelessly transmitting, in accordance with a wireless communication protocol, the digital voice data packetized according to a packet protocol.

30. (Previously presented) A method as recited in claim 29 wherein the packet protocol comprises an internet protocol.

31. (Previously presented) A method as recited in claim 30 wherein the internet protocol is TCP/IP.

32. (Previously presented) A method as recited in claim 29 further comprising converting analog voice signals to digital voice data.

33. (Previously presented) A method as recited in claim 29 wherein the wireless communication protocol is a spread spectrum frequency hopping communication protocol.

34. (Previously presented) A method as recited in claim 29 wherein the wireless communication protocol is a direct sequence spread spectrum communication protocol.

35. (Previously presented) A method as recited in claim 29 wherein the wireless communication protocol accommodates a plurality of data rates.

36. (Previously presented) A method for processing voice for a communication network comprising:

packetizing digital voice data according to a packet protocol, wherein the digital voice data is packetized according to a packet protocol comprising destination information used for routing the digital voice data packetized according to the packet protocol through the communication network;

wirelessly transmitting, in accordance with a wireless communication protocol, the digital voice data packetized according to a packet protocol;

wirelessly receiving, in accordance with the wireless communication protocol, digital voice data packetized according to a packet protocol;

depacketizing the digital voice data; and

converting the digital voice data to analog voice signals.

37. (Previously presented) A method as recited in claim 36 wherein the packet protocol comprises an internet protocol.

38. (Previously presented) A method as recited in claim 37 wherein the internet protocol is TCP/IP.

39. (Previously presented) A method as recited in claim 36 further comprising converting analog voice signals to digital voice data.

40. (Previously presented) A method as recited in claim 36 wherein the wireless communication protocol is a spread spectrum frequency hopping communication protocol.

41. (Previously presented) A method as recited in claim 36 wherein the wireless communication protocol is a direct sequence spread spectrum.

42. (Previously presented) A method as recited in claim 36 wherein the wireless communication protocol accommodates a plurality of data rates.

43. (Previously presented) A system for processing voice for communication over a network comprising:

a processing circuit for managing the packetization of digital voice data to provide digital voice data packets and for managing the depacketization of digital voice data packets, the processing circuit packetizing the digital voice data according to a packet protocol, wherein the

digital voice data packets comprise destination information used for routing the digital voice data packets through the network;

a transceiver for wireless transmission and wireless reception of the digital voice data packets; and

a media access controller for controlling the operations of the transceiver to transmit and receive information according to a wireless communication protocol.

44. (Previously presented) A system as recited in claim 43 wherein the packet protocol comprises an internet protocol.

45. (Previously presented) A system as recited in claim 44 wherein the internet protocol is TCP/IP.

46. (Previously presented) A system as recited in claim 43 further comprising conversion circuitry for converting analog voice signals to digital voice data and for converting digital voice data to analog voice signals for the reproduction of voice.

47. (Previously presented) A system for processing voice for communication over a network comprising:

a processing circuit for managing the packetization of digital voice data to provide digital voice data packets and for managing the depacketization of digital voice data, wherein the digital voice packets comprise destination information used for routing the digital voice packets through the network, the processing circuit packetizing the digital voice data according to a packet protocol; and

a radio operating in accordance with a communication protocol for transmitting and receiving digital voice data packets.

48. (Previously presented) A system as recited in claim 47 wherein the packet protocol comprises an internet protocol.

49. (Previously presented) A system as recited in claim 48 wherein the internet protocol is TCP/IP.

50. (Previously presented) A system as recited in claim 47 further comprising conversion circuitry for converting analog voice signals to digital voice data and for converting digital voice data to analog voice signals for the reproduction of voice.

51. (Previously presented) A system for processing voice for communication over a network comprising:

a processing circuit for managing the packetization of digital voice data to provide digital voice data packets and for managing the depacketization of digital voice data, wherein the digital voice packets comprise destination information used for routing the digital voice packets through the network, the processing circuit packetizing the digital voice data according to a packet protocol;

a radio for wireless transmission and reception of digital voice data packets; and

a processor for controlling the operation of the radio according to a communication protocol that accommodates a plurality of data rates including at least a standard data rate and a higher data rate.

52. (Previously presented) A system as recited in claim 51 wherein the packet protocol comprises an internet protocol.

53. (Previously presented) A system as recited in claim 52 wherein the internet protocol is TCP/IP.

54. (Previously presented) A system as recited in claim 51 further comprising conversion circuitry for converting analog voice signals to digital voice data and for converting digital voice data to analog voice signals for the reproduction of voice.

55. (Previously presented) A system as recited in claim 47 wherein the radio comprises a 2.4GHz radio.

56. (Previously presented) A system as recited in claim 55 wherein the radio operates in accordance with a frequency hopping communication protocol.

57. (Previously presented) A system as recited in claim 47 wherein the radio operates in accordance with a frequency hopping communication protocol.

58. (Previously presented) A system as recited in claim 47 wherein the radio operates in accordance with a spread spectrum communication protocol.

59. (Previously presented) A system as recited in claim 58 wherein the radio operates in accordance with a frequency hopping communication protocol.

60. (Previously presented) One or more circuits for use in a handheld communication device supporting the exchange of voice over a communication network, the one or more circuits comprising:

at least one interface to circuitry for transmitting and receiving over a radio frequency channel, packets comprising digital voice data packetized according to a packet protocol; and

at least one processor operably coupled to the at least one interface, the at least one processor operable to,

convert analog voice signals at a first user location to first digital voice data;

packetize the first digital voice data according to the packet protocol to produce first digital voice data packets, wherein the first digital voice data packets comprise destination information used for routing the first digital voice data packets through the communication network to a second user;

wirelessly transmit, in accordance with a wireless communication protocol, the first digital voice data packets;

wirelessly receive, in accordance with the wireless communication protocol, second digital voice data packets;

depacketize the second digital voice data packets to produce second digital voice data; and

convert the second digital voice data to analog voice signals at the location of the second user.

61. (Previously presented) The one or more circuits of claim 60 wherein the packet protocol comprises an Internet protocol (IP).

62. (Previously presented) The one or more circuits of claim 61 wherein the Internet protocol is the transmission control protocol (TCP)/Internet protocol (IP) protocol.

63. (Previously presented) The one or more circuits of claim 60 wherein the at least one processor queues received second digital voice data, and delays conversion of queued second digital voice data for an adjustable period of time.

64. (Previously presented) The one or more circuits of claim 63 wherein the at least one processor adjusts the period of time based upon a network propagation delay.

65. (Previously presented) The one or more circuits of claim 63 wherein the at least one processor determines the adjustable period of time using a packet sent to the handheld communication device in response to a packet sent by the handheld communication device.

66. (Previously presented) The one or more circuits of claim 65 wherein the packet sent by the communication device is a test packet.

67. (Previously presented) The one or more circuits of claim 60 wherein the wireless communication employs a frequency of approximately 2.4 gigahertz.

68. (Previously presented) The one or more circuits of claim 60 wherein the handheld communication device employs a frequency hopping spread spectrum technique.

69. (Previously presented) The one or more circuits of claim 60 wherein the handheld communication device employs a direct sequence spread spectrum technique.

70. (Previously presented) The one or more circuits of claim 60 wherein the at least one processor is further operable to cause routing of digital voice data packets over a wired network.

71. (Previously presented) The one or more circuits of claim 70 wherein the routing of a call is selected by the first user.

72. (Previously presented) The one or more circuits of claim 70 wherein the wired network is a packet network.

73. (Previously presented) The one or more circuits of claim 70 wherein the wired network is a public switched telephone network.